Index of Claims

09/842,495 Examiner Applicant(s)/Patent under Reexamination

SHANTHAVEERAIAH ET AL.

Art Unit

Cam Y T. Truong

2162

| 1 | Rejected |  |
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| 1 | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
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| Claim Date             |          |                         | ]        | Cla                   | Date    |             |  |        |                 |          | CI                 | aim            | Date    |  |          |         |  |          |       |          |          |           |         |   |  |                    |          |           |
|------------------------|----------|-------------------------|----------|-----------------------|---------|-------------|--|--------|-----------------|----------|--------------------|----------------|---------|--|----------|---------|--|----------|-------|----------|----------|-----------|---------|---|--|--------------------|----------|-----------|
|                        | -        | (3)                     |          | П                     | Т       |             |  | 1      |                 | =        | \n                 |                |         |  |          |         |  |          |       |          |          | T         | $\top$  | Т   |  | П                  |          |           |
| Final                  | Original | 3/3/00                  |          |                       |         |             |  |        | Final           | Original | 30/5/8             |                |         |  |          |         | 1  |          | Final | Original |          |           |         |   |  | l l                |          |           |
| 🗄                      | rig      | 2                       |          |                       |         |             |  |        | ᇤ               | ī.       | 3                  | - 1            |         |  |          |         |  |          | ᇤ     | nig      |          |           |         |   | 1  | İΙ                 |          | 1 1       |
|                        | 0        | $\omega$                |          |                       |         |             |  |        | -               | 0        | 30                 | i              |         |  |          |         |  |          | _     | 0        |          |           |         |   |  | il                 |          |           |
|                        | 1        | ᆝ                       | _        | +                     | +       | $\dagger$   |  | 1      | -               | 51       | フー                 | $\dashv$       | +       | +  | 一        | 十       | 1  |          |       | 101      |          | +         | +       | +   | +  | Н                  | $\dashv$ | Н         |
| -                      | 2        | ╢                       | +        | ++                    | +       | +           | <del>    -   -</del>                             | -{!!!! | $\vdash \vdash$ | 52       | H                  | +              | +       | +  |          |         |  |          | -     | 102      | $\vdash$ | +         | +       | +   | +  | $\vdash$           | $\dashv$ | $\vdash$  |
|                        | 3        | ╫                       | -        | ╁┼                    |         | +           | $\vdash$   | -      | $\vdash$        | 53       | ₩                  | $\dashv$       | +       | +  | +        | +       | +  |          |       | 103      | +        | +         | +       | +-  | ╁  | -                  |          | Н         |
| $\vdash$               |          | HH                      |          | ╁─┼╴                  | +       | +           |  | -      | $\vdash \vdash$ |          | H                  | +              | +       | +  | $\dashv$ | +       | +  |          |       | 103      | +        | +         |         | +   | ╁  | $\vdash$           | $\dashv$ | $\vdash$  |
|                        | 4        | ╀┦                      | -        | +                     | +       | +           | $\vdash$   | -      |                 | 54       | ₩                  | $\dashv$       | +       | $\vdash$   | +        | -       | _  |          |       | 104      | $\vdash$ | +         |         | +   | ↓  | $\vdash$           | $\dashv$ | Н         |
| $\vdash$               | 5        | $H \cdot I$             | _        | ++                    | -       | -           | <del>                                     </del> | -      | igwdap          | 55       | ₩                  | -              |         | +  | _        | +       | $\perp$  |          |       | 105      | -        | +         | +       | ┿   | ╄  | ┦                  |          | $\sqcup$  |
|                        | 6        | Ш                       | _        |                       |         | -           | $\vdash \vdash$                                  | 4      |                 | 56       | <del>       </del> |                | _       | $\sqcup$   | $\dashv$ | $\bot$  |  |          |       | 106      | -        | 4         | _       | —   | ↓_   | $\sqcup$           | _        | Ш         |
|                        | 7        | Ш                       |          | +                     | _       |             | Щ.   | 4      |                 | 57       | Ш                  | _              |         | $\perp$  | _        |         | 4  |          |       | 107      | $\dashv$ | _         |         | ╄   | ₩  | $\sqcup$           |          |           |
|                        | 8        | Ш                       |          | +                     |         |             | $oxed{oxed}$                                     | 4      | ш               | 58       | Ш                  |                |         | $\sqcup$   | _        |         | 4  |          |       | 108      |          | _         | 丄       | ┸   | ↓_   | Ш                  | _        | Ш         |
|                        | 9        | Ш                       |          | $\bot \bot$           | _       | _           | $\sqcup \sqcup$                                  | 4      | $\square$       | 59       | <u>'  </u>         | $\perp$        |         |  |          |         |  |          |       | 109      | $\perp$  | $\perp$   | 丄       | 1   | ↓  | Ш                  | _        | Ш         |
|                        | 10       | Ш                       |          | $oxed{oxed}$          | ┸       |             |  |        | $\Box$          | 60       | Ш                  |                |         |  |          |         |  |          |       | 110      |          |           | 止       | $\perp$   |  | Ш                  |          | Ш         |
|                        | 11       | Ш                       |          |                       |         |             |  |        |                 | 61       |                    |                |         |  |          |         |  |          |       | 111      |          |           |         |   |  |                    |          |           |
|                        | 12       | Ш                       |          |                       |         |             | $\Box\Box$                                       |        |                 | 62       |                    | $\perp \Gamma$ |         |  | $\Box$   | ┚       |  |          |       | 112      |          | $oxed{I}$ |         | $oldsymbol{ol}}}}}}}}}}}}}}$  |  | $\Box$             |          |           |
|                        | 13       | ШТ                      |          |                       |         | T           |  | ];;;;  |                 | 63       | П                  | T              | T       | П  | T        | $\top$  |  |          |       | 113      |          | T         | $\top$  | T   |  | П                  | $\neg$   |           |
|                        | 14       | П                       | $\top$   | T                     | T       |             |  |        |                 | 64       | П                  | 一              | 1       | $\sqcap$   | 一        | $\top$  | $\top$   |          |       | 114      | $\dashv$ | _         | $\top$  | 1   |  | П                  | $\dashv$ | $\sqcap$  |
| П                      | 15       | Ш                       | $\neg$   |                       | $\top$  | $\top$      | - -  |        | $\Box$          | 65       | П                  | $\dashv$       | $\top$  | $\Box$   | _        | 1       | $\top$   |          |       | 115      |          | $\top$    | +       | †   | $\top$   | $\sqcap$           | $\dashv$ | $\dashv$  |
|                        | 16       | М                       | $\neg$   | 1 1                   | 1       | +           | $\vdash$   | 1      |                 | 66       | Н                  | $\neg$         | $\top$  | 1-1  | $\neg$   | $\top$  | 1  |          |       | 116      | -        | $\top$    | +       | †   | $t^-$  | H                  | $\dashv$ | $\dashv$  |
| $\vdash$               | 17       | H                       | $\dashv$ | <del>   </del>        | $\top$  | +           | $\vdash$   | 1      |                 | 67       | 7                  | -              | +       | +  | $\dashv$ | +       | +  |          |       | 117      | $\dashv$ | ┰         | +       | +   | +  | ┝╾┤                | $\dashv$ | $\dashv$  |
| $\vdash$               | 18       | $\vdash$                |          | ++                    |         |             | $\vdash$   | 1      |                 | 68       | V                  | -              | +       | 1 1  | $\dashv$ | +       | +  |          |       | 118      |          | +         | +       | +-  | +  | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 19       | $\vdash$                |          | +                     |         | +-          | $\vdash$   | ┨      |                 | 69       | <b>Y</b>           | $\dashv$       | +       | ╁  | -        | +-      | +  |          | -     | 119      |          | +         | +       | ╁╌  | $\vdash$   | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 20       | H                       |          | +                     | +       | ╁           | $\vdash\vdash$                                   | -      |                 | 70       | <del>   </del>     |                | +       | ╀┤   | +        | -       | +  |          |       | 120      |          | +         | +       | +-  | ╁  | $\vdash$           | $\dashv$ | $\dashv$  |
| -                      | 21       | $\vdash$                | +        | ╁                     | ┵       |             |  | -{∷∷   | $\vdash$        |          | $\vdash$           | -              |         | ╁╌╏  |          | _       | +  |          |       |          | $\dashv$ | -         | +       | +   | ╁  | $\vdash$           | $\dashv$ | Н         |
|                        | 21       | $\vdash$                |          | ╁┼                    | +       | +           | ⊢⊢   | -      | $\vdash \vdash$ | 71       | $\vdash$           |                | -       | ┵┦   |          |         | -  |          |       | 121      | -        | 4         |         | ╄   | ļ  | $\vdash$           | -        | $\dashv$  |
| $\vdash$               | 22       |                         | -        | ╁                     | -       |             | <del></del>                                      | -      | igwdown         | 72       | Н                  | 4              | -       | ┦  | _        |         | $\bot$   |          |       | 122      | -        | 4         | _       | _   | -  | $\vdash \vdash$    | $\dashv$ | Н         |
| $\vdash \vdash \vdash$ | 23       | Ξ                       | -        | $\vdash$              | -       | ↓_          | Щ.   | 4      |                 | 73       | $\sqcup$           | _              | - -     | $\sqcup$   |          |         | 1.4  | l        |       | 123      |          | 4         |         | _   | _  | $\sqcup$           | _        | $\square$ |
|                        | 24       | =                       | _        | $\perp$               |         | $\bot$      |  | 4      | L               | 74       | Ш                  | _              |         | $\perp$  | _ _      |         | Ш  |          |       | 124      | $\perp$  | 4         | $\bot$  | ┸   |  | $\sqcup$           | $\dashv$ |           |
| $\sqcup$               | 25       | 1                       |          | $\sqcup$              |         | <b>.</b>    |  | 4      |                 | 75       | Ш                  |                |         | $ldsymbol{ldsymbol{\sqcup}}$                     |          |         | $\perp$  |          |       | 125      | $\perp$  | _         |         |   |  | $\sqcup$           | $\Box$   | $\Box$    |
|                        | 26       | 2                       |          | Ш                     |         |             |  | 1      |                 | 76       | $\sqcup$           |                |         |  |          | •       |  |          |       | 126      |          |           | 丄       | L   |  | Ш                  | $\Box$   | $\square$ |
|                        | 27       | <u>-</u>                |          |                       |         |             |  | _      |                 | 77       |                    |                |         |  |          |         |  |          |       | 127      |          |           |         |   |  |                    |          |           |
|                        | 28       | -                       |          |                       |         |             |  | ]!!!!  |                 | 78       |                    |                |         |  |          |         |  |          |       | 128      |          |           | T       | П   | I  | П                  |          | $\Box$    |
|                        | 29       | =                       |          |                       |         |             |  | ]!!!!! |                 | 79       |                    |                | T       | П  | $\neg$   | Т       |  |          |       | 129      |          | Т         | $\top$  | T   |  | $\Box$             | $\neg$   |           |
|                        | 30       | 11 11 11                |          |                       |         |             |  |        |                 | 80       |                    |                | T       |  | 一        | $\top$  | T  |          |       | 130      |          |           | 丁       | 1   | 1  | П                  | $\Box$   | $\neg$    |
|                        | 31       |                         |          |                       | Т       | 7           |  | 1      |                 | 81       |                    | _              | 1       | 1 1  |          |         |  |          |       | 131      | $\neg$   | $\top$    | $\top$  | 1   |  | $\sqcap$           |          | $\neg$    |
|                        | 32       | =                       |          | $\Box$                | $\top$  |             |  | 1      |                 | 82       |                    |                |         | $\Box$   | _        | $\top$  | 1  |          |       | 132      | 十        | +         | 十       | $\top$  | $T^-$  |                    | $\dashv$ | $\neg$    |
|                        | 33       | =                       |          |                       | T       | T           |  | 1      |                 | 83       | $\Box$             |                | 1       | Ħ  | $\dashv$ | ╅       | 1  |          |       | 133      |          | 十         | 十       | +   |  | $\Box$             | T        | $\neg$    |
|                        | 34       | 11 11                   |          | $\vdash$              | $\top$  | +           | $\vdash$   | 1      | $\overline{}$   | 84       | $\vdash$           | $\dashv$       | +-      | 1 –  | $\dashv$ | +       | +  |          |       | 134      | $\dashv$ | ╅         | +       | +   | $\vdash$   | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 35       |                         | $\dashv$ | +                     | +       | 1           | $\vdash$   | 1      | $\Box$          | 85       | $\vdash$           | $\dashv$       | +-      | † – †  | $\dashv$ | +       | +  |          |       | 135      | $\dashv$ | +         | +       | +   | 1  | <del>     </del>   | -+       | $\dashv$  |
|                        | 36       | 11 11                   | -+-      | +                     | +-      | 1           | $\vdash$   | 1      | -               | 86       | $\vdash$           | +              | +-      | +  | $\dashv$ | +       | +  |          |       | 136      | $\dashv$ | +         | +       | +-  | <del>                                     </del> | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 37       |                         | +        | +                     | +       | -           | +  | 1      | $\vdash$        | 87       | $\vdash$           | +              | +-      | <del>                                     </del> | $\dashv$ | +-      | +  | <b>}</b> |       | 137      | $\dashv$ | +         | +       | +-  | ┼  | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 38       | =                       | -+       | $\vdash$              | +       | +           | <del></del>                                      | 1      | $\vdash$        | 88       | $\vdash$           | +              | +-      | <del>                                     </del> | -        | +-      | +  |          |       | 137      | +        | +         | +       | +-  | -  | $\vdash$           | $\dashv$ | $\dashv$  |
|                        | 39       | 뒨                       | +        | +                     | +       | +           |  | 1      |                 |          | $\vdash \vdash$    | $\dashv$       | +       | ╁╾┤  | $\dashv$ | +       | +  |          | -     | 138      | $\dashv$ | +         | +       | +-  | H  | $\vdash$           | $\dashv$ | $\dashv$  |
|                        |          |                         |          | $\vdash$              | +       | +           | <del>                                     </del> | -      | <del></del>     | 89       | $\vdash$           | +              |         | ╁╌┤  | -        | +       | +  |          |       | 139      |          | +         | +       | +   | $\vdash$   | $\dashv$           | $\dashv$ | $\dashv$  |
| $\vdash$               | 40       | Ξ                       | +        | $\vdash$              | +-      | +           | -  | 4      |                 | 9        | $\vdash$           |                | 4       | ₩  | _        | +       | $\dashv$   |          |       | 140      | _        | $\bot$    | —       | -   | $\vdash$   | $\vdash \vdash$    | _        | _         |
| $\sqcup$               | 41       | =                       |          | $\vdash$              | +-      | +           | <del>    -</del>                                 |        |                 | 91       | $\sqcup$           |                | ┵       | $\sqcup$   |          | $\bot$  | $oldsymbol{oldsymbol{\sqcup}}$   |          |       | 141      |          | 1         |         | ╄   | Щ  | $\sqcup$           |          | _         |
| $\longrightarrow$      | 42       | _                       | $\dashv$ | $\sqcup \bot$         | _       | $\bot$      |  | اا     |                 | 92       | $\sqcup$           |                | ┵       | $\sqcup$   |          | $\perp$ | $oldsymbol{\perp}$   |          |       | 142      | $\bot$   | $\bot$    | 丄       | ↓   | Щ  | Ц                  |          |           |
| ot                     | 43       | Y                       | 4_       | $\sqcup \!\!\! \perp$ | $\perp$ | $\bot \bot$ |  | ا      |                 | 93       | Ш                  |                | _       | ot   |          | $\perp$ | $oldsymbol{\perp}$   |          |       | 143      |          | $\perp$   | $\perp$ | $\perp$   |  | $oldsymbol{\perp}$ |          |           |
|                        | 44       | 1                       | $\perp$  | $\sqcup \bot$         | $\perp$ |             |  | Į[     |                 | 94       |                    |                |         |  |          | $\perp$ |  | ::::[    |       | 144      |          |           | $\perp$ | $oldsymbol{ol}}}}}}}}}}}}}} $ |  |                    |          |           |
|                        | 45       | -1                      |          |                       | $\perp$ |             |  |        |                 | 95       |                    |                |         | $\Box$   |          |         | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          | ]     | 145      |          | $\prod$   |         | $oxed{oxed}$  |  |                    |          |           |
|                        | 46       | $oldsymbol{\mathbb{I}}$ |          |                       |         |             |  |        |                 | 96       |                    |                | $I^{-}$ |  |          |         |  |          |       | 146      |          | T         | T       |   |  | П                  | $\neg$   | $\neg$    |
|                        | 47       | $\Box$                  |          |                       |         |             |  |        | $\neg$          | 97       | T                  | $\neg$         | T       | П  |          |         |  |          |       | 147      | $\neg$   | $\top$    | $\top$  | T   | П  | $\sqcap$           | ヿ        | $\neg$    |
|                        | 48       |                         |          |                       | T       | $\Box$      |  | 1      |                 | 98       |                    | $\neg$         | $\top$  | $\Box$   | $\neg$   | 7       | $\Box$   |          |       | 148      | $\neg$   | 十         | $\top$  | 1   | П  | $\dashv$           | ヿ        | ヿ         |
|                        | 49       |                         | 1        |                       | T       | $\top$      |  | 11     | $\neg$          | 99       | $\dashv$           |                | $\top$  | $\Box$   | $\neg$   | 十       | 77   |          |       | 149      |          | +         | 十       | T   | $\Box$   | 一                  | 寸        | $\dashv$  |
|                        | 50       | 7                       |          |                       | T       | 1           | $\neg$   | 1      | $\neg$          | 100      | _                  | $\dashv$       | 1       | П  | $\dashv$ | 1       | 77   |          |       | 150      | -        | +         | +       | $\top$  | $\vdash$   | $\dashv$           | 十        | $\dashv$  |
|                        |          |                         |          |                       |         |             |  | J[     |                 |          |                    |                |         |  | L        |         | $\perp$  | ······[  |       |          |          | L_        |         |   |  |                    |          |           |